

AMENDMENT

A. In the Specification

- i. Please amend the title to read as follows:
-- Methods for Electroporation-Mediated Delivery for Drugs and Genes --
- ii. At page 1, paragraph 0001, second line, please change "cell" to -- cells --.
- iii. At page 13, paragraph 0060, first line, please change "particular" to -- particularly --.

Do not
enter
SK
6/12/03
(See paper
12)

B. In the Claims

- SK 1/21/03*
- i. Please cancel claims 1, 4, and 28-57 without prejudice. and amend claims 1, 10, and 17 as follows. A marked up version appears on a separate paper pursuant to 37 CFR 1.121.
 - ii. Please add new claim 58, as follows:

-
58. (New) A method of electroporating an agent into cells of a tissue, comprising:
- (a) injecting a therapeutic agent into a tissue of a patient in need of treatment; and
 - (b) using an electrode apparatus placed in contact with the tissue to deliver voltage pulses that establish electric fields sufficient to introduce the therapeutic agent into cells of the tissue by way of electroporation, wherein the electrode apparatus comprises:
 - i. a support member having disposed thereon two or more opposing pairs of needle electrodes arranged relative to one another to form an electrode array; and
 - ii. a power supply in electrical communication with the pairs of needle electrodes disposed in the support member, wherein the power supply provides voltage pulses to at least two of the opposing pairs of needle electrodes to effect electroporation.
- C1

iii. Please amend claims 2, 5-7, 17, 20, and 23-27 as follows:

C2 2. (amended) The method of claim 58, wherein the agent is injected either prior to, simultaneously with, or after step b.

5. (amended) The method of claim 58, wherein the voltage pulses are applied simultaneously to the at least two opposing pairs of needle electrodes.

C3 6. (amended) The method of claim 58, wherein said method is *in vivo*.

7. (amended) The method of claim 58, wherein the agent is selected from the group consisting of drugs, nucleic acids, polynucleotides, chemotherapeutic agents, peptides, polypeptides, and antibodies.

C4 17. (amended) The method of claim 58, wherein the cell are tumor cells.

C5 20. (amended) The method of claim 58, wherein said tissue is mammalian.

23. (amended) The method of claim 58, wherein the electric field is from about 10 V/cm to 2000 V/cm.

C6 24. (amended) The method of claim 58, wherein from 1 to about 100 voltage pulses are applied.

25. (amended) The method of claim 24 wherein each voltage pulse is from about 10 usec and 100 msec.

26. (amended) The method of claim 58, wherein each voltage pulse is selected from the group consisting of a square wave pulse, an exponential wave pulse, a unipolar oscillating wave form of limited duration, and a bipolar oscillating wave form of limited duration.